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## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

- 1-36. (cancelled)
- 37. (previously presented)A recombinant virus which comprises at least one foreign nucleic acid inserted within a non-essential region of the viral genome of a virus, wherein said foreign nucleic acid (a) encodes a protein selected from the groups consisting of a feline CD28 protein or an immunogenic portion thereof; a feline CD80 protein or an immunogenic portion thereof; or a feline CTLA-4 protein or an immunogenic portion thereof and (b) is expressed when the recombinant virus is introduced into an appropriate host.
- 38. (previously presented) The recombinant virus of claim 37 which comprises at least two foreign nucleic acids, wherein each <u>is</u> inserted within a non-essential region of the viral genome.
- 39. (currently amended) The recombinant virus of claim 38 which comprises at least three foreign nucleic acids, wherein each is inserted within a non-essential region of the viral genome.
- 40. (currently amended) The recombinant virus of claim 38 which comprises four foreign nucleic acids, wherein each is inserted within a non-essential region of the viral genome.
- 41. (previously presented) The recombinant virus of claim 37, wherein the virus is raccoonpox virus, a swinepox virus, or a feline herpesvirus.
- 42. (currently amended) The recombinant virus of claim 37 comprising more than one foreign nucleic acid, wherein each foreign nucleic acid[[s]] is inserted into the same nonessential non-essential region of the viral genome.
- 43. (currently amended) The recombinant virus of claim 37 comprising more than one foreign nucleic acid, wherein <u>each-all such-foreign nucleic acid[[s-are]] is not inserted into the same nonessential non-essential region of the viral genome.</u>

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44. (previously presented) The recombinant virus of claim 37 further comprising a foreign nucleic acid encoding an immunogen derived from a pathogen.

- 45. (previously presented) The recombinant virus of claim 44, wherein the pathogen is a feline pathogen, a rabies virus, *Chlamydia, Toxoplasma gondii, Dirofilaria immitis*, a flea, or a bacterial pathogen.
- 46. (previously presented) The recombinant virus of claim 45, wherein the feline pathogen is feline immunodeficiency virus (FIV), feline leukemia virus (FeLV), feline infectious peritonitis virus (FIP), feline panleukopenia virus, feline calicivirus, feline recovirus type 3, feline rotavirus, feline coronavirus, feline syncytial virus, feline sarcoma virus, feline herpesvirus, feline Borna disease virus, or a feline parasite.
- 47. (previously presented) The recombinant virus of claim 37, wherein at least one foreign nucleic acid, comprises a promoter for expressing the foreign nucleic acid.
- 48. (currently amended) The recombinant virus of claim 37, wherein the expression of a <u>at</u> least one foreign nucleic <u>acidaeids</u> is under the control of a promoter endogenous to the virus.
- 49. (previously presented) The recombinant virus of claim 37 further comprising a foreign nucleic acid encoding a detectable marker.
- 50. (currently amended) The recombinant virus of claim 49, wherein the detectable marker is <u>E. coli</u> beta galactosidase.
- 51. (previously presented) The recombinant virus of claim 46, wherein the immunogen from a feline pathogen is FIV gag protease, a FIV envelope protein, a FeLV gag protease, or a FeLV envelope protein.
- 52. (currently amended) The recombinant virus of claim 37, wherein the virus is a feline herpesvirus and the nonessential non-essential region is the glycoprotein E gene of feline herpesvirus.
- 53. (currently amended) The recombinant feline herpesvirus of claim 48 <u>is</u> designated S-FHV-031 (ATCC Accession No. VR-2604).
- 54. (currently amended) The recombinant virus of claim 37, wherein the virus is swinepox virus and the nonessential non-essential region is the larger Hind III to Bgl II subfragment of the Hind III M fragment of swinepox virus.

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55. (currently amended) The recombinant virus of claim 50, wherein the swinepox virus is designated S-SPV-246 (ATCC Accession No. VR-2603).

- 56. (currently amended) The recombinant virus of any of claim 37, wherein the portion of the CD28, CD80, or CD86 protein is the soluble portion of the protein.
- 57. (previously presented) The recombinant virus of claim 37, where the foreign nucleic acid encodes the feline CTLA-4 protein.
- 58. (currently amended) A vaccine which comprising an effective immunizing amount of the recombinant virus of claim 37 and a suitable carrier.
- 59. (previously presented) The vaccine of claim 58, wherein the effective immunizing amount of the recombinant virus is an amount between about  $1x10^5$  pfu/ml and about  $1x10^8$  pfu/ml.
- 60. (currently amended) The vaccine of claim[[s]] 58 which further comprises and an admixture with of the recombinant virus with an effective immunizing amount of an a second immunogen.
- 61. (previously presented) A method of enhancing an immune response in a feline which comprises administering to the feline an effective immunizing amount of the recombinant virus of claim 37.
- 62. (previously presented) A method for immunizing a feline which comprises administering to the feline an effective immunizing amount of the recombinant virus of claim 37.
- 63. (previously presented)A method for suppressing an immune response in a feline which comprises administering to the feline any effective suppressing amount of the recombinant virus of claim 56.
- 64. (previously presented) The method of claim 61, wherein the administering comprises intravenous, subcutaneous, intramuscular, transmuscular, topical, oral, or intraperitoneal administration.
- 65. (previously presented) The method of claim 63, wherein the feline is the recipient of a transplanted organ or tissue or is suffering from an immune response.
- 66. (cancelled)

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69. (previously presented) The recombinant virus of claim 37, further comprising a nucleic acid encoding feline immunodeficiency virus genome or a portion thereof.

- 70. (currently presented) The recombinant virus of claim 37, further comprising a nucleic acid encoding feline leukemia virus genome or a portion thereof.
- 71. (previously presented) The recombinant virus of claim 69, further comprising a nucleic acid encoding feline GM-CSF or feline IL-12 p35 and p40.
- 72. (previously presented) The recombinant virus of claim 70, further comprising a nucleic acid encoding feline GM-CSF or feline IL-12 p35 and p40.
- 75. (previously presented) The recombinant virus of claim 37, further comprising a nucleic acid encoding the feline infectious peritonitis virus genome or a portion thereof.
- 76. (previously presented) The recombinant virus of claim 37, wherein the virus is a swinepox virus and the nonessential region is within the HindIII K fragment.
- 77. (previously presented) The recombinant virus of claim 37, wherein the virus is a swinepox virus and the nonessential region is within the HindIII N fragment.